

Site ID # NHD 048722466

Part A Application Yes ☒ No ☐

Superfund Records Center

NAME: K.J. QUINN

ISSUE: 1/8

OTHER: 538455

RCRA INSPECTION CHECKLIST

Site Name: K.J. QUINN & CO., INC.

Inspection Date: 6/17/81

Site Location: FOLLY MILL RD

Type of Facility: MANUFACTURE POLYURETHANES

SEABROOK, N.H.

Generator: GENERATOR

Phone No: (603) 474-2100

Transporter: _____

Inspectors: _____

TSD: _____

EPA: DANIEL S GRANZ
SUSAN HANAMOTO

Permits Issued: _____

State: _____

Industry: MARNIN FELDMAN - ENGINEER INCHARGE OF H.W.
JOHN BECKMAN - SUPERVISOR BUILDING #2
JOHN MACKINNON - SUPERVISOR BUILDING #1

In Compliance Yes _____ No _____

I. Generator with Temp. Storage or TSD Facility

A. Pre-Inspection Meeting

1. General Information (Process Description, etc.)



SDMS DocID

538455

BUILDING #1 - THIS AREA IS USED FOR THE PRODUCTION OF
THERMOPLASTIC POLYURETHANES. ISOCYANATES ARE RAW MATERIALS
STORED IN BULK. PRIOR TO USE THEY ARE FILTERED AND THE USED
FILTERS ARE PACKAGED IN 55-GALLON DRUMS AND DISPOSED AS HAZARDOUS
WASTE. THE ONLY OTHER HAZARDOUS WASTES GENERATED IN BUILDING #1 ARE
FROM QUALITY CONTROL PROCEDURES FOR TESTING THE URETHANE PRODUCT.
MEK, DMF, THF, AND METHYLENE CHLORIDE ARE USED AS SOLVENTS IN THE
TESTING PROCEDURES. THE HAZARDOUS WASTE GENERATED CONTAINS URETHANE AND THESE
MENTIONED SOLVENTS.

BUILDING #2 - THIS AREA IS USED FOR THE PRODUCTION OF ~~SOLID~~ LIQUID
PHASE URETHANES. THERE ARE THREE AREAS THAT HAZARDOUS WASTE
ARE PRODUCED. THEY ARE - (1) CONTAMINATED SOLVENT FROM DRAINING OF EQUIPMENT,
(2) DRAININGS FROM THE DRYING OF THE PRODUCT, AND (3) GOOD MATERIAL THAT
CANNOT BE SOLD IN REASONABLE TIME. THE SOLVENTS USED AND FOUND AS
HAZARDOUS WASTE ARE XYLENE, MEK, IPA, TOLUENE, M-PYROL, ETHYL ALCOHOL, OVERLY

METHYL ~~CELLULOSE~~ ~~CELLULOSE~~ ALGATE,

2. Hazardous Waste Profile

	Type of Waste	Amt. of Waste kg/mo	Onsite Temp. Storage/ TSD	Transporter	Offsite TSD
BUILDING #1	ISOCYANATE FILTERS	1 DRUM/MONTH ~ 235 #/DRUM	TEMP. STORAGE	SUFFOLK SERVICES, DORCHESTER, MA	
	WASTE MEK	4 ⁺ DRUMS/MONTH	TEMP. STORAGE	SUFFOLK SERVICES, DORCHESTER, MA COATING SYSTEMS, NASHUA, N.H.	
	WASTE MIXTURE OF THF, DNF, MEK, METHYLENE CHLORIDE	2 DRUMS/MONTH	TEMP. STORAGE	SUFFOLK SERVICES, DORCHESTER, MA.	
BUILDING #2	SOLID URETHANE MATERIAL	1 DRUM/MONTH	TEMP. STORAGE	SUFFOLK SERVICES, DORCHESTER, MA.	
	WASTE SOLVENTS (MEK ECT.)	3 DRUMS/MONTH	TEMP. STORAGE	COATING SYSTEMS, NASHUA, N.H.	

TEMP. STORED DRUMS AT INSPECTION

	QUANTITY	QUALITY
BUILDING #1	16 - DRUMS OF ISOCYANATE FILTERS	(NOTE: RECENTLY HAD PROBLEM SHIPMENT OF ISOCYANATES; THIS HAD MANY MORE WASTE FILTERS THAN NORMAL)
	10 - WASTE MEK	
	3 - WASTE MIXTURE (OF THF, DNF ECT.)	
	5 - WASTE SOLVENTS	
	2 - SOLID URETHANE MATERIAL	
BUILDING #2	7 - DRUMS LABELLED "SLOPS" - MIXTURE OF MANY SOLVENTS ECT. - PRESENTLY ARE ANALYZING CONTENTS OF THESE DRUMS USING THEIR GC. IN THEIR MARDEN, MA. PLANT PRIOR TO PUTTING FINAL LABEL ON DRUMS.	

3. Records

262.21 a.) Manifest

Manifests may be checked ahead of time by state personnel who have them on file - otherwise, random selection of some during inspection for review. Must be kept for 3 years.

- Document No.: O.K.
- Generator ID, name, address: O.K.
- Transporter(s) ID, name, address: O.K.
- TSD Facility ID, name, address: O.K.
- Waste Type of Quantity: MOST O.K. SHIPPING NAME ON ISOCYANATE FILTERS - IMPROPER VS. D.O.T. IN FUTURE WILL USE "HAZARDOUS WASTE, SOLID, A.O.S."
- Date of Acceptance: O.K.

262.50 i) International Shipping Manifest: NONE

262.42 ii) Exception Report: NONE

265.13 b.) Waste Analysis Plan

1. Plan on site: NONE
2. Plan should include (a) parameters: _____
(b) test methods: _____
(c) sampling method: _____
(d) frequency: _____
3. Copy of Results _____

265.15 c.) Inspection Schedule and log NONE

- 1) Are inspections conducted INFREQUENT
- 2) Written inspection schedule NO
- 3) Inspection Log NO

(A) Daily - loading and unloading of areas subject to spills: _____
- discharge control equipment in tanks: _____
- incinerator system, thermal treatment equipment, _____
- chem/phys/biol treatment equipment: _____
- freeboard level of surface impoundments: _____

(B) Weekly - physical conditions of containers: _____
- " tanks: _____
- " surface impoundments: _____
- " chem/phys/bio. treatment facility: _____

265.16 *d.) Personnel Training Records

PERSONNEL TRAINING
IS
ON GOING
PROGRAM BUT
NO RECORDS

- 1.) Job titles/position descriptions and name of employee _____

- 2.) Description of training: NO
- 3.) Records of Training: NONE
- 4.) Training completed: NO

*e.) Contingency Plan

- 265.53 1. Plan on site: NO WRITTEN PLAN
- 265.53 2. Plan to local authorities: NO
- 265.52 3. Content of Plan: NO WRITTEN PLAN AVAILABLE
- a) Emergency ^{procedures} plan: NO
- b) Local authority arrangements: WITH FIRE DEPARTMENT & LOCAL HOSPITAL & DOCTORS
- c) Identify emergency coordinator: NO
- d) List of emergency ^{equipment} plans: NO
- e) Evacuation plans: THEY HAVE EVACUATION PLANS BUT NOT POSTED ONLY EXIT SIGNS

f.) Closure and Post-closure Plans; Cost Estimates

- 265.112, .113, .114, .115 1. Closure Plan (TSD Facilities) - NONE (NOT REQUIRED AS GENERAL)
- a) Plan on site:
- b) Does plan include:
- 1) Schedule of partial closure if applicable: _____
- 2) Estimate of maximum inventory of waste in storage or treatment at given time: _____
- 3) Schedule for final closure & an estimate of the expected year of closure: _____
- 4) Description of steps needed to decontaminate facility equipment: _____
- 5) Total time required for closure: _____
- 6) Certification of closure: _____
- 265.117, .118 2. Post-closure Plan (disposal facilities only)
- a) Plan on site: _____
- b) Does plan identify and include frequency of: _____
- o planned ground water monitoring: _____
- o planned maintenance & security activities: _____
- o name, address and phone number of Post-closure contact: _____
- c) Length of Post-closure period identified: _____

* Required for Temporary Storage

265.142

3. Closure Cost Estimate (TSD facilities)

- a) Estimate on site: Amount of estimate:
- b) Estimate adjusted annually on 11/19 for inflation:
- c) Has Closure Plan changed?
- d) If answer to 3 is yes, has cost estimate changed?

265.144

4. Post-closure Cost Estimate (disposal facilities only)

- a) Estimate on site: Amount of estimate:
- b) Estimate adjusted annually on 11/19 for inflation:
- c) Has Post-closure plan changed?
- d) If answer to 3 is yes, has cost estimate changed?

265.73

g) Operating Records *NONE*

- 1. Records on site _____
- 2. Description, quantity, method and dates of disposal: _____

- 3. Location onsite and manifest number: _____

- 4. Results of waste analysis: _____
- 5. Record of any incidents requiring use of contingency plan: _____

- 6. Records and results of inspections: _____
- 7. Closure and post-closure cost estimates if needed: _____

B. Inspection

265.14

1. Site Security

AREA
STORAGE IS INSIDE BUILDING

- a) 24 hour surveillance system: _____
- b) or Artificial or natural barrier: _____
- c) and Means to control entry: _____
- d) Danger sign posted at each entrance legible at 25': _____

NO SIGN AT STORAGE AREA
ALSO NO SECURED OFF AREA FOR STORAGE

265.30-.37

****2. Site Preparedness/Prevention**

ALSO DIRECT FIRE ALARM
TO FIRE STATION

- a) Internal communication/alarm: YES
- b) Telephone/2-way radio: YES
- c) Portable fire control equipment: FIRE EXTINGUISHERS OK.
- d) Adequate water for fire control: YES SPRINKLER SYSTEM
- e) Testing and Maintenance of equipment: OK.
- f) Adequate aisle space: YES
- g) Access to equipment: YES

265,170-.177

3. Containers ^{(h) HAVE HAD TRAINING ~~SECTION~~ WITH SOLVENTS IGNITED AND HAD PERSONNEL USING SUITS, MASKS, FIRE EXTINGUISHERS, SPEEDY DRY CLEAN-UP THE SOLVENTS.}

NOTE: MOST WASTE IS
IN NEW DRUMS

Leaks NONE

Ruptures NONE

Corrosion NONE

Closed Except in use YES

Heat/Pressure NO INDICATION OF EXCESS PRESSURE

50' bufferzone for I and R wastes:

I = Ignitable —; R = Reactive —

No smoking signs near I or R waste —

Separation of incompatible wastes —

Evidence of spills NO INDICATION OF ANY SPILLS

262.30-.34

Pretransport requirements: packaging OK.

labelling OK.

marking —

placarding —

Date of Waste Accumulation OK. (NOTE: 7 DRUMS LABELLED "SLOX" DID NOT HAVE ACCUMULATION DATE ON THEM.)

*NYR Check for impermeable base under containers, any drains, secondary containment

265.190-.199

4. Tanks — *none*

Leaks _____

Ruptures _____

Corrosion: Check valves, piping controls for signs of corrosion _____

> 2' freeboard or containment _____

Heat/pressure _____

Evidence of spills _____

Inflow and outflow controls _____

Continuous Inflow _____ Means to stop flow? _____

Special Requirements for I and R wastes _____

265.220-.230

5. Surface Impoundments (Pits, Ponds and lagoons) *done*

Protective Cover on Dikes _____

> 2' freeboard _____

Special requirements for I and R waste _____

Evidence of fire, explosion - leak _____

*NYR Liner _____

265.90-.94

**Groundwater Monitoring _____

265.250-.257

6. Waste Piles *none*

Wind erosion control _____

**Prevention of leachate from pile (if hazardous) _____

Special requirements for I and R waste _____

Evidence of fire, explosion, leak _____

Separation of incompatible wastes _____

Waste analysis _____

*NYR - Not yet regulated

**November 19, 1981

265.340
265.382

7. Incinerators/Thermal Treatment *none*

- a) Steady State conditions _____
- b) Inspect combustion and emission control instruments
every 15 minutes _____
- c) Observe stack plume hourly _____
- d) Waste analysis:
 - 1) Heating value of waste _____
 - 2) Organic halogen content _____
 - 3) Sulfur content _____
 - 4) Lead concentrations _____
 - 5) Mercury concentrations _____
- e) Evidence of leaks of spills (pumps, valves, conveyors
and pipes) _____
- f) Daily Inspection of Emergency shutdown controls and Alarm
systems _____
- g) Special Requirements for incompatible wastes _____

265.272 -
265.282

8. Phys/Chem/Bio. Treatment *none*

- a) Leaks _____
- b) Ruptures _____
- c) Corrosion _____
- d) Waste cut off _____
- e) Waste analysis _____
- f) Special Requirements for I and R waste _____
- g) Special Requirements for incompatible wastes _____

265.272 -
265.282

9. Land Treatment *none*

- a) Approval document _____
- *b) Run-on diversion _____
- *c) Run-off collection; Treat if necessary _____
- d) Waste Analysis _____
- e) Presence of food chain crops, if so, refer to 265.276 _____
- f) Unsaturated zone monitoring plan _____
- g) Unsaturated zone waste analysis _____
- h) Records of application dates, rates, quantities and location of waste _____
- i) Special requirements for I and R wastes _____
- j) Special requirements for incompatible wastes _____
- *k) Groundwater Monitoring _____

265.90-.94

265.302-.315

10. Landfills *none*

- *a) Run-on diversion _____
- *b) Run-off collection; Treat if necessary _____
- c) Wind dispersion controlled _____
- d) Records of all dimensions, locations, and contents _____
- e) Special Requirements for I and R wastes _____
- f) Special Requirements for Incompatible Wastes _____
- *g) Special Requirements for liquids _____
- *h) Reduction in volume of empty containers _____
- *i) Groundwater Monitoring _____

265.90-.94

Subpart R

11. Underground Injection *none*

Consult appropriate subparts.

C. Requests for Information

NONE

D. Photos Taken

NONE

E. Sampling Inspection Needed

NO SAMPLING REQUIRED

F. Potential for Imminent Hazard, Air, or Water Discharge Violations

THERE APPEARS TO BE MINIMAL POTENTIAL FOR IMMINENT HAZARD,
AIR, WATER VIOLATIONS. NO DRUMS ARE KEPT OUTSIDE

G. Proximity to Residential Area, Surface Water, Recharge Zone, etc.

PLANT IS LOCATED AT END OF RESIDENTIAL STREET
NO SURFACE WATER ~~AT~~ NEAR PLANT LOCATION.